



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Andersen Corporation
100 Fourth Avenue North
Bayport, MO 55003

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: "Perma Shield Narroline "Vinyl clad Wood Double Hung Window

APPROVAL DOCUMENT: Drawing No. **Dade-25001**, titled "Unit, PSNL Double Hung", sheets 1 through 2 of 2, prepared by manufacture, dated 06/07/04 with revision "E" on 06/07/04, signed and sealed by Richard Boyette, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **Renews NOA # 99-1210.06** and consists of this page 1 and evidence page E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Herminio F. Gonzalez, P.E.**



NOA No 04-0423.02
Expiration Date: June 24, 2009
Approval Date: August 05, 2004
Page 1

Handwritten signature and date: 7/19/04

Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts and section drawings.
2. Drawing No. **Dade-25001**, titled "Unit, PSNL Double Hung" Sheets 1 through 2 of 2 prepared by manufacturer, dated 06/07/04 with revision "E" on 06/07/04, signed and sealed by Richard Boyette, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94Along with marked-up drawings and installation diagram of double hung window, prepared by Architectural Testing, Inc., Test Report No. ATI-02-31516.01 and ATI-02-31517.01, both dated June 29, 1999, signed and sealed by Alan N. Reeves, P.E. (Note: Test report ATI-02-31516.01, revised by addendum letter dated 18 November 1999, and the test reports ATI-02-31516.01 and ATI-02-31517.01, further revised by addendum letter dated 26 May 2000 signed and sealed by Alan N. Reeves, P.E., properly marked-up drawings for test reports ATI-02-31516.01 and ATI-02-31517.01 were also revised by the laboratory)
"Submitted under NOA# 99-1210.06"

C. CALCULATIONS

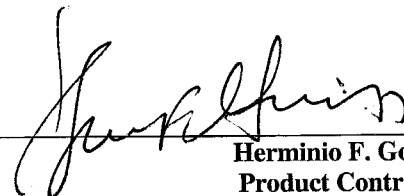
1. Anchor Verification Calculations dated November 02 1999 and revised on 05-21-00, prepared, signed and sealed by Richard Boyette, P.E.
"Submitted under NOA# 99-1210.06"

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Tensile test reports No. ARR-03-02-01 dated April 06, 2001, per ASTM D-638-96a, issued by ASPHALT Technologies for 4500 Hrs Xenon Arch exposed sample, Terraton Vinyl (Sample ID 1030.71-74), issued to Aspen Research Corporation, signed and sealed by Charles L. Thomas, P.E.
"Submitted under NOA# 99-1210.06"




**Herminio F. Gonzalez, P.E.
Product Control Examiner
NOA No 04-0423.02**

**Expiration Date: June 24, 2009
Approval Date: August 05, 2004**

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2. Tensile test reports No. MTS 520652 dated June 12, 2000, per ASTM D-638-96a, issued by Celotex Corporation for controlled sample ID, Terraton Vinyl, issued to Aspen Research Corporation, signed and sealed by R. G. Miller, P.E.
"Submitted under NOA# 99-1210.06"
3. Tensile test reports No. ARR-03-02-01 dated April 06, 2001, per ASTM D-638-96a, issued by ASPHALT Technologies for 4500 Hrs Xenon Arch exposed sample, White AW 101 Vinyl (Sample ID 1030.60-63), issued to Aspen Research Corporation, signed and sealed by Charles L. Thomas, P.E.
"Submitted under NOA# 99-1210.06"
4. Tensile test reports No. MTS 520652 dated June 12, 2000, per ASTM D-638-96a, issued by Celotex Corporation for controlled sample ID, White AW 101 Vinyl, issued to Aspen Research Corporation, signed and sealed by R. G. Miller, P.E.
"Submitted under NOA# 99-1210.06"
5. Tensile test reports No. ARR-03-02-01 dated April 06, 2001, per ASTM D-638-96a, issued by ASPHALT Technologies for 4500 Hrs Xenon Arch exposed sample, White capped Fibrex (Sample ID 1030.82-85), issued to Aspen Research Corporation, signed & sealed by Charles L. Thomas, P.E.
"Submitted under NOA# 99-1210.06"
6. Tensile test reports No. MTS 520652 dated June 12, 2000, per ASTM D-638-96a, issued by Celotex Corporation for controlled sample ID, White capped Fibrex, issued to Aspen Research Corporation, signed and sealed by R. G. Miller, P.E.
"Submitted under NOA# 99-1210.06"
7. Tensile test reports No. ARR-03-02-01 dated April 06, 2001, per ASTM D-638-96a, issued by ASPHALT Technologies for 4500 Hrs Xenon Arch exposed sample, Terraton capped Fibrex (Sample ID 1030.93-96), issued to Aspen Research Corporation, signed and sealed by Charles L. Thomas, P.E.
"Submitted under NOA# 99-1210.06"
8. Tensile test reports No. MTS 520652 dated June 12, 2000, per ASTM D-638-96a, issued by Celotex Corporation for controlled sample ID, Terraton capped Fibrex, issued to Aspen Research Corporation, signed and sealed by R. G. Miller, P.E.
"Submitted under NOA# 99-1210.06"
9. Photo copy Test reports No. J98002653-004 for "self ignition temperature" per ASTM D1929-96 dated April 27, 1998 for PVC plastic material issued to Andersen Corporation issued by ITS Intertek Testing Service, signed by Amy L. Rice.
"Submitted under NOA# 99-1210.06"



Hernando F. Gonzalez, P.E.
Product Control Examiner
NOA No 04-0423.02

Expiration Date: June 24, 2009
Approval Date: August 05, 2004

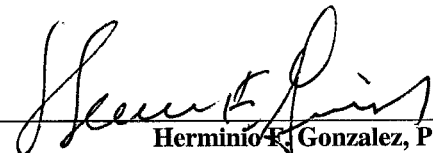
Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

10. Photocopy Test reports No. J98002651-004 for "Surface Burning Characteristics of Building Materials" per ASTM-E84-97a, dated April 06, 1998, for PVC plastic material issued to Andersen Corporation, issued by ITS Intertek Testing Service, signed by Tim Allen.
"Submitted under NOA# 99-1210.06"
11. Photocopy Test reports No. 10865.1 for "Rate of Burning" per ASTM-D635-81, dated April 18, 1984, for PVC plastic material issued to Andersen Corporation, issued by SpringBorn Testing Institute, signed by George T. Forbes.
"Submitted under NOA# 99-1210.06"
12. Photocopy Test reports No. Geon 85857 for "shear strength" per ASTM-D732-99, dated November 06, 2000, for PVC extrusion issued to Geon Company, issued by Poly One Corporation, signed by William P. Baran
"Submitted under NOA# 99-1210.06"
13. Photocopy Test reports No. FA14407 for "Xenon Arch Accelerated Weathering" per ASTM-G-26, dated June 26, 2000, for 34 plastic material issued to Andersen Corporation, issued by ATLAS, South Florida Testing Service, signed by Oscar L. Cordo.
"Submitted under NOA# 99-1210.06"

F. STATEMENTS

1. Statement letter of conformance, dated November 22, 1999, signed and sealed by Richar Boyette, P.E.
"Submitted under NOA# 99-1210.06"
2. Statement letter of no financial interest, dated May 27, 2000, signed and sealed by Richard Boyette, P.E.
"Submitted under NOA# 99-1210.06"
3. Laboratory compliance letter for test report dated 07 September 1999, Test reports No. ATI-02-31516.01 and, ATI-02-31517.01 signed and sealed by Allen N. Reeves, P.E.
"Submitted under NOA# 99-1210.06"
4. Facsimile letter dated 06, June 2001 issued by Andersen Corporation, stating Aspen Research Corporation, as subsidiary of the Andersen Corporation, signed by Cindy Berger.
"Submitted under NOA# 99-1210.06"
5. Statement letter of Design Engineer States that no product changes to the Perma-Shield-Narroline-DP Upgrade dated 04/15/04, signed by Wendy Ludwese.



Herminio E. Gonzalez, P.E.
Product Control Examiner
NOA No 04-0423.02

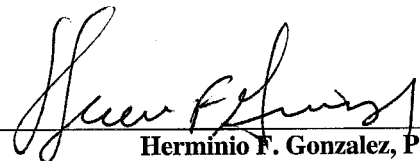
Expiration Date: June 24, 2009
Approval Date: August 05, 2004

Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. Notice of Acceptance No. 99-1210.06 Andersen Corporation, "Series Perma-Shield Narroline Vinyl clad Double Hung Wood Window ", approved on 06/28/01 and expiring on 06/28/04.
2. Letter from consultant stating that the product is in compliance with the Florida Building Code (FBC).



Herminio F. Gonzalez, P.E.
Product Control Examiner
NOA No 04-0423.02

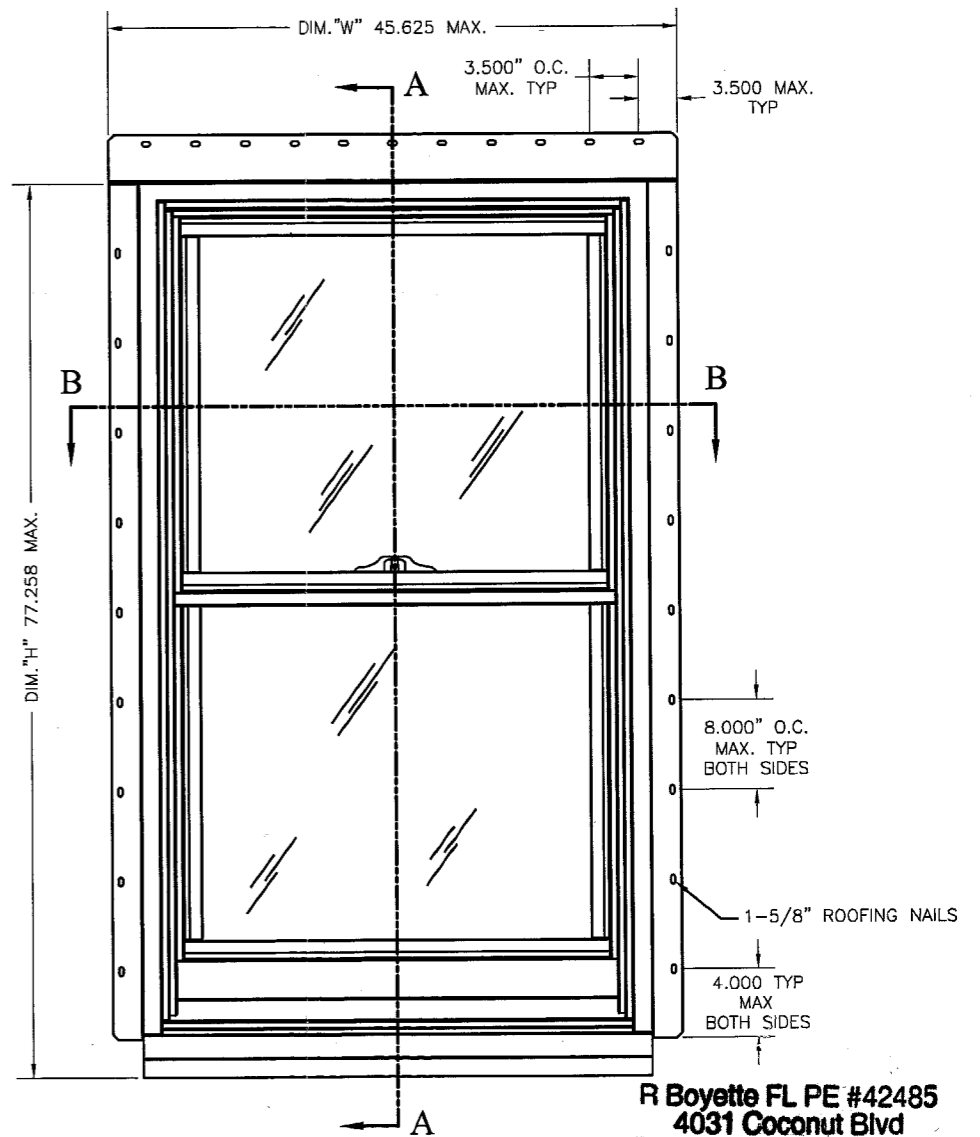
Expiration Date: June 24, 2009
Approval Date: August 05, 2004

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3856	69.258		33.015		33.811		30.969		29.968	
3852	65.258		31.015		31.811		28.969		27.968	
3846	57.258	45.625	27.015	43.812	27.811	43.812	24.969	41.438	23.968	40.436
3842	53.258		25.015		25.811		22.969		21.968	
38310	49.258		23.015		23.811		20.969		19.968	
3832	41.258		19.015		19.811		16.969		15.968	
38210	37.258		17.015		17.811		14.969		13.968	
3462	77.258		37.015		37.811		34.969		33.968	
3456	69.258		33.015		33.811		30.969		29.968	
3452	65.258		31.015		31.811		28.969		27.968	
3446	57.258	41.625	27.015	39.812	27.811	39.812	24.969	37.438	23.968	36.436
3442	53.258		25.015		25.811		22.969		21.968	
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3046	57.258	37.625	26.984	35.812	27.811	35.812	24.969	33.438	23.968	32.436
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2046	57.258	25.625	26.984	23.812	27.811	23.812	24.969	21.438	23.968	20.436
2042	53.258		24.984		25.811		22.969		21.968	
20310	49.258		22.984		23.811		20.969		19.968	
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1852	65.258		30.984		31.811		28.969		27.968	
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18310	49.258		22.984		23.811		20.969		19.968	
1832	41.258		18.984		19.811		16.969		15.968	
18210	37.258		16.984		17.811		14.969		13.968	
SIZE DESIGNATION	DIM."H" ±.094	DIM."W" ±.094	DIM."A" ±.031	DIM."C" ±.031	DIM."B" ±.031	DIM."C" ±.031	GLASS DIM. HEIGHT	GLASS DIM. WIDTH	DAYLIGHT OPENING HEIGHT	DAYLIGHT OPENING WIDTH
	UNIT		SASH UPPER		SASH LOWER					

* 3862	+45.8/-45.8
3856	+50/-50.9
3852	+50/-53.9
3846	+50/-59.3
3842	+50/-60.3
38310	+50/-60.3
3832	+50/-61.6
38210	+50/-70
3462	+50/-50
3456	+50/-55.9
3452	+50/-59.2
3446	+50/-66.5
3442	+50/-68.9
34310	+50/-70
3432	+50/-70
34210	+50/-70
3062	+50/-55.4
3056	+50/-61.6
3052	+50/-65.6
3046	+50/-70
3042	+50/-70
30310	+50/-70
3032	+50/-70
30210	+50/-70
2862	+50/-61.9
2856	+50/-69.8
2852	+50/-70
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2446	+50/-70
2442	+50/-70
24310	+50/-70
2432	+50/-70
24210	+50/-70
2062	+50/-70
2056	+50/-70
2052	+50/-70
2046	+50/-70
2042	+50/-70
20310	+50/-70
2032	+50/-70
20210	+50/-70
1862	+50/-70
1856	+50/-70
1852	+50/-70
1846	+50/-70
1842	+50/-70
18310	+50/-70
1832	+50/-70
18210	+50/-70
SIZE DESIGNATION	DP RATINGS (PSF)

* INDICATES TESTED UNITS

FRAME FASTENERS LIST		
A/R	1-5/8" ROOFING NAILS	FASTENES UNIT TO BUCK THROUGH FLANGES
3-5	SCREW, 7-19 X 1-1/2"	FASTENENS SILL STOPS TO SILL AND EACHOTHER
BEAD	SEALANT	FASTENES SILL STOPS TO SILL AND EACHOTHER
BEAD	SEALANT	FASTENES GLASS INTO SASH UNITS
BEAD	ADHESIVE	FASTENENS OUTER FRAME TO INNER FRAME
BEAD	SEALANT	FASTENENS HEAD JAMB LINER TO OUTER FRAME
QTY.	DESCRIPTION	LOCATION



R Boyette FL PE #42485
4031 Coconut Blvd
Royal Palm Bch FL 33411

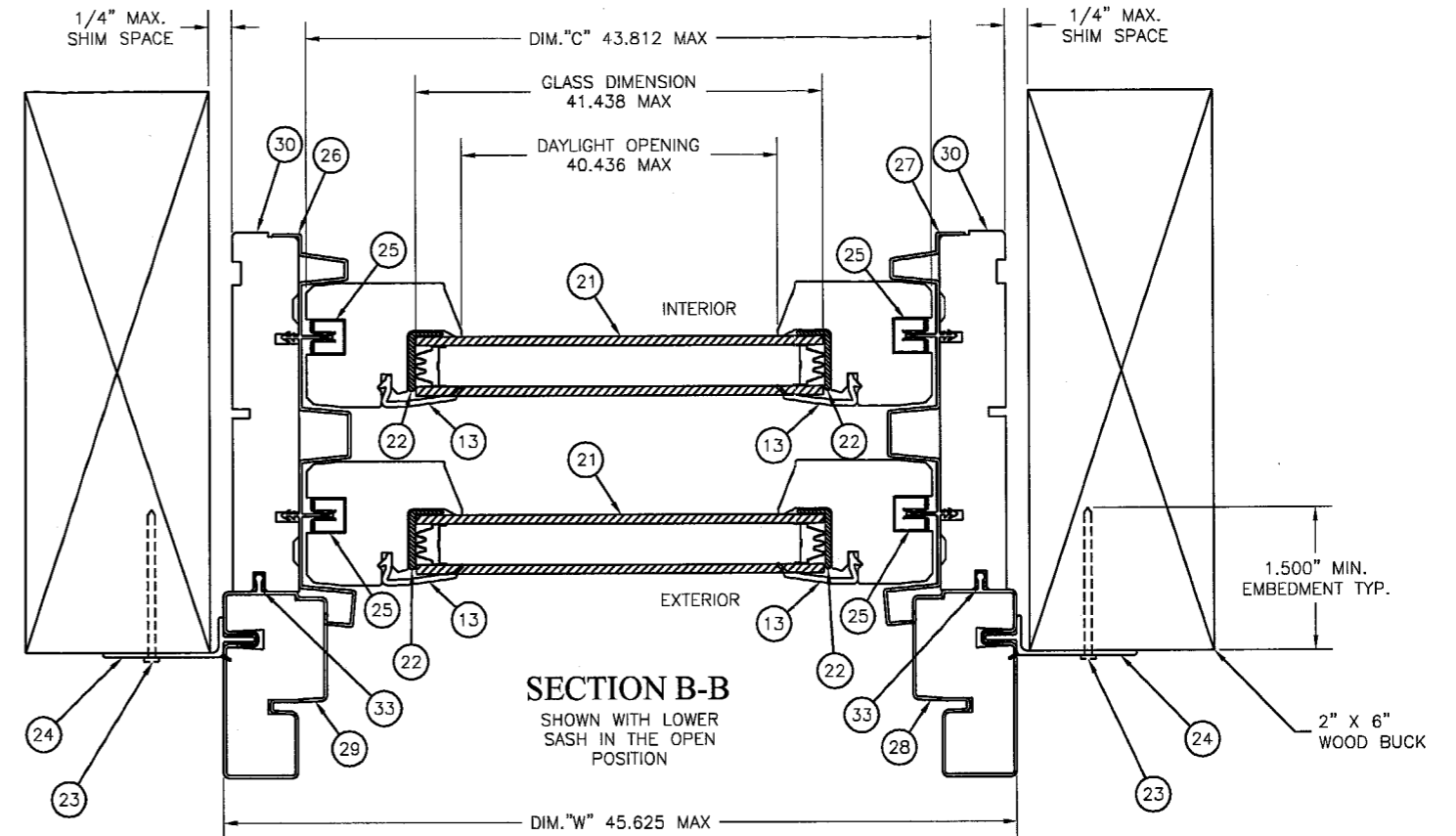
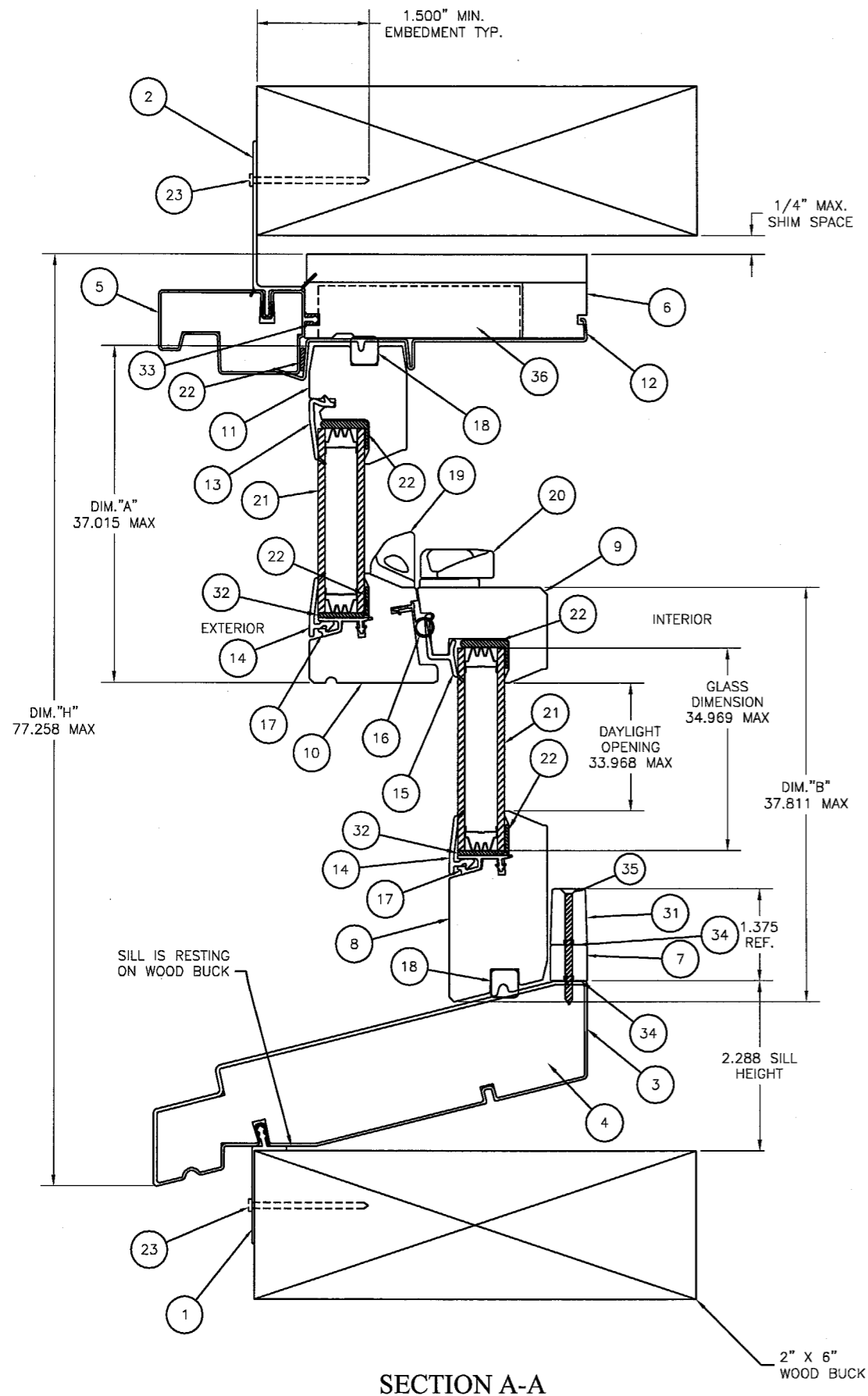
NOTES:

- INSTALLATION METHODS:
THE WINDOW WAS INSTALLED WITHIN A 2" X 6" WOOD BUCK AND FASTENED TO THE BUCK THROUGH THE NAILING FLANGES USING 1-5/8" ROOFING NAILS.
- STRUCTURAL DESIGN PRESSURE RATINGS ARE AS LISTED.
- GLAZING SPECIFICATIONS:
THE SASH UTILIZED NOMINAL 5/8" INSULATING GLASS FABRICATED FROM A 3/32" THICK HEAT-STRENGTHENED INNER LITE AND A 3/32" THICK HEAT-STRENGTHENED OUTER LITE IN A .450" DESICCANT-FILLED SPACER SYSTEM, SET FROM THE INTERIOR AGAINST SILICONE BACKBEDDING. AN INTERLOCKING DUAL-DUROMETER VINYL GLAZING BEAD WAS USED ON THE EXTERIOR.
- FRAME CONSTRUCTION:
TWO #8 X 1-1/2" FL HD SCREWS SECURE JAMBS TO SILL (PER CORNER). ONE #8-18 X 2-1/4" PH FL SCREW SECURES THE SILL THE THE OUTER FRAME MEMBER (PER CORNER). TWO .133 X 2-3/8 NAILS SECURE THE HEAD JAMB TO THE SIDE JAMB (PER CORNER). ONE .133 X 2-3/8" NAIL SECURES THE SIDE JAMBS TO THE HEAD JAMBS (PER CORNER).
- GLASS BITE = .500".

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 04-0423.02
Expiration Date 06/24/09
By Miami Dade Product Control
Division

E	6/7/04
D	4/13/04
C	1/15/01
B	3/30/00
A	12/1/99
REVISION	

TITLE UNIT, PSNL DOUBLE HUNG	
Andersen Corporation Bayport, Minnesota 55003	
THESE DRAWINGS ARE PROVIDED AS A SERVICE BY ANDERSEN CORPORATION FOR THE BENEFIT OF ITS CUSTOMERS. FINAL RESPONSIBILITY FOR ACCURACY OF DESIGN, FINAL SPECIFICATIONS, DRAWINGS AND FOR THE ACTUAL INSTALLATION SUGGESTED BY THESE DRAWINGS LIES WITH THE ARCHITECT, ENGINEER AND/OR CONTRACTOR.	
COPYRIGHT ANDERSEN CORPORATION 1998. ALL RIGHTS RESERVED.	
APPROVE/DATE 6/7/04	DRAWING NUMBER DADE-25001
SHT. 1 OF 2	



36	BALANCER	20015	GALVANIZED	6.808	2.961
35	SCREW, 7-19 X 1-1/2	20206	GALVANIZED	1.500	-
34	SEALANT, HB FULLER 0606	MDS0028	-	-	-
33	ADHESIVE, HENKEL MACROMELT 6224	MDA0005	-	-	-
32	SPACER, GLASS	20065	PVC	0.625	0.062
31	STOP, SILL DP UPGRADE	20205	WOOD-PINE	0.875	0.500
30	JAMB, PROFILE SIDE	29135	WOOD-PINE	0.719	3.844
29	OUTER FRAME MEMBER-SIDE-LH	20238	WOOD/PVC	2.187	1.125
28	OUTER FRAME MEMBER-SIDE-RH	20237	WOOD/PVC	2.187	1.125
27	LINER, SIDE JAMB RH	20294	PVC	0.892	4.209
26	LINER, SIDE JAMB LH	20293	PVC	0.892	4.209
25	W/S, STILE	20056	POLYPROPYLENE	0.178	1.123
24	STILE, NAILING FLANGE	29090	PVC REGRIND	1.644	0.430
23	NAIL, 1-5/8 8d ROOFING	-	STEEL	1.625	0.140
22	SEALANT, SILICONE GE 2821	MDS0009	-	-	-
21	GLASS 5/8", INSULATED	00009	-	-	-
20	LOCK, FLUSHMOUNT	24570	PLASTIC	0.531	3.480
19	KEEPER	24533	PLASTIC	0.745	3.487
18	W/S, RAIL	20057	FOAM/PVC	0.375	0.375
17	LINER, RAIL 5/8	20150	PVC	0.257	0.774
16	BULB, UPPER CHECK RAIL	20171	SANTOPRENE	0.522	0.481
15	BEAD, LOWER CHECK RAIL	24327/24328	PVC/CPVC	-	-
14	BEAD, UPPER CHECK/BOTTOM RAIL	20153	PVC/CPVC	0.859	0.335
13	BEAD, TOP/STILE RAILS	20151	PVC/CPVC	0.992	0.344
12	LINER, HEAD JAMB	29125	PVC	0.828	4.272
11	RAIL, TOP	25090	WOOD-PINE	1.578	1.328
10	RAIL, UPPER CHECK	25066/25091	WOOD-PINE	-	-
9	RAIL, LOWER CHECK	25058	WOOD-PINE	1.281	1.766
8	RAIL, BOTTOM	25092	WOOD-PINE	1.328	2.562
7	STOP, SILL	20046	WOOD-PINE	0.484	0.500
6	JAMB, HEAD ASSEMBLY	20012/20013/20162	WOOD-PINE	-	-
5	HEAD, OUTER FRAME MEMBER	20027	WOOD/PVC	2.187	1.125
4	CORE, SILL	20024	WOOD-PINE	6.296	1.289
3	VINYL, COVER	20023	PVC	6.403	1.500
2	HEAD, NAILING FLANGE	29088	PVC REGRIND	2.344	0.671
1	SILL, WIND BREAK	20025	PVC REGRIND	1.593	0.469
ITEM NO.	DESCRIPTION	PART	MATERIAL	HEIGHT	WIDTH

ALL PARTS MANUFACTURED TO ANDERSEN SPECIFICATION
AS NOTED BY ABOVE PART NUMBERS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 04-042302
Expiration Date 06/24/09

By [Signature]
Miami/Dade Product Control
Division

R Boyette FL PE #42485
4031 Coconut Blvd
Royal Palm Bch FL 33411

TITLE UNIT, PSNL DOUBLE HUNG	
Andersen Corporation Bayport, Minnesota 55003	
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APPROVE/DATE 6/7/04	DRAWING NUMBER DADE-25001
SHT. 2 OF 2	

E	6/7/04
D	4/13/04
C	1/15/01
B	3/30/00
A	12/1/99
REVISION	